

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 7/27/2010

Control	0053-07-036
Project	NH 2011(363)
Highway	US 84
County	SCURRY

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: NH 2011(363)

CONTROL: 0053-07-036

COUNTY: SCURRY

LETTING: 08/10/2010

REFERENCE NO: 0727

PROPOSAL ADDENDUMS

_ PROPOSAL COVER

X BID INSERTS (SH. NO.: 1-3

X GENERAL NOTES (SH. NO.: A THRU F

X SPEC LIST (SH. NO.: 2-3, 3-3

X SPECIAL PROVISIONS:

ADDED: 008---008, 344---009

DELETED: 008---006

_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: SEE CHANGES BELOW

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

BID INSERTS: SHEET 1-3 - DELETED ITEMS 134-2004, 318-2001, & 342-2009.

ADDED ITEMS 134-2002, 318-2309, & 342-2007.

REVISED QUANTITIES FOR ITEMS 318-2164 & 344-2122.

ADDED SP (344---009) TO ITEM 344-2122.

GENERAL NOTES: SHEET A - ADDED ITEM 5.

SHEET C - REVISED SECOND NOTE OF ITEM 342.

SHEET D - ADDED LAST TWO NOTES FOR ITEM 344. REVISED FIRST
NOTE FOR ITEM 354.

SHEETS B, E, & F - REVISED DUE TO SHIFTING

SPEC LIST: SHEET 2-3 - DELETED SP (008---006). ADDED SP (008---008) &

SP (344---009). SHEET 3-3 - REVISED DUE TO SHIFTING.

PLAN SHEETS: 6 THRU 11 REVISED DUE TO ABOVE CHANGES.

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	134	2002		BACKFILL (TY B) DOLLARS CENTS and	STA	582.000	1
	318	2164	010	AGGR(TY-PB GR-4 SAC-B) DOLLARS CENTS and	CY	2,432.000	2
	318	2309	010	A-R BINDER (TYPE II) DOLLARS CENTS and	GAL	117,451.000	3
	342	2005	002	PFC (ASPHALT) A-R-BNDR DOLLARS CENTS and	TON	814.000	4
	342	2007	002	PFC (AGGREGATE)(A-R MIX) SAC-A DOLLARS CENTS and	TON	12,624.000	5
	344	2122	009	PRF-DSGN-MX SP-D PG70-22 DOLLARS CENTS and	TON	30,942.000	6
	354	2045		PLANE ASPH CONC PAV (2") DOLLARS CENTS and	SY	79,632.000	7
	452	2002		REMOV RAIL (METAL ELEMENTS) DOLLARS CENTS and	LF	100.000	8
	500	2001	005	MOBILIZATION DOLLARS CENTS and	LS	1.000	9
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS CENTS and	MO	5.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	533	2003		SHOULDER TEXTURING (MILLED) DOLLARS and CENTS	LF	117,928.000	11
	540	2001	015	MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	2,025.000	12
	540	2005	015	TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	10.000	13
	540	2014	015	MTL W-BEAM GD FEN (LOW FILL CULVERT) DOLLARS and CENTS	LF	225.000	14
	542	2001		REMOVING METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	2,187.500	15
	542	2002		REMOVING TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	10.000	16
	544	2003		GUARDRAIL END TREATMENT (REMOVE) DOLLARS and CENTS	EA	10.000	17
	544	2004		GDRAIL END TRT(INST)(WOOD POST)(TY I) DOLLARS and CENTS	EA	10.000	18
	658	2260		INSTL DEL ASSM (D-SW)SZ (TYC)GF1 DOLLARS and CENTS	EA	33.000	19
	662	2001		WK ZN PAV MRK NON-REMOV (W) 4" (BRK) DOLLARS and CENTS	LF	14,960.000	20
	662	2004		WK ZN PAV MRK NON-REMOV (W) 4" (SLD) DOLLARS and CENTS	LF	59,414.000	21

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	662	2012		WK ZN PAV MRK NON-REMOV (W) 8" (SLD) DOLLARS and CENTS	LF	160.000	22
	662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	58,514.000	23
	662	2113		WK ZN PAV MRK SHT TERM (TAB) TY W DOLLARS and CENTS	EA	8,976.000	24
	666	2036		REFL PAV MRK TY I (W) 8" (SLD)(100MIL) DOLLARS and CENTS	LF	160.000	25
	666	2048		REFL PAV MRK TY I (W) 24"(SLD)(100MIL) DOLLARS and CENTS	LF	380.000	26
	672	2010	034	REFL PAV MRKR TY I-A DOLLARS and CENTS	EA	19.000	27
	672	2017	034	REFL PAV MRKR TY II-C-R DOLLARS and CENTS	EA	769.000	28
	8251	2003	005	RE PM W/RET REQ TY I(W)4"(BRK)(100MIL) DOLLARS and CENTS	LF	14,960.000	29
	8251	2006	005	RE PM W/RET REQ TY I(W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	59,894.000	30
	8251	2018	005	RE PM W/RET REQ TY I(Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	58,514.000	31

GENERAL NOTES:

General:

Cut neat, straight lines with vertical faces along pavement edges or along joints between existing asphalt or concrete pavement and new pavement perpendicular or parallel to the direction of traffic by methods described in applicable bid items, or as directed. Provide clean edges or joints without jagged appearance or chunks broken out. This work is considered subsidiary to various bid items.

Item 5: Control of the Work

Work is planned to occur concurrent and adjacent to the limits of this project. Cooperate and coordinate with other Contractors in accordance with Article 5.5.C.

Item 7: Legal Relations and Responsibilities

Provide access to all businesses and residences with minimum disruption and as directed. Materials, labor, and maintenance for these temporary accesses is considered subsidiary to the various bid items.

Do not initiate activities in a project specific location (PSL), associated with a U.S. Army Corps of Engineers (USACE) permit area that has not been previously evaluated by the USACE as part of the permit review of this project. Such activities include, but are not limited to, haul roads, equipment staging areas, borrow and disposal sites. Associated defined here means materials are delivered to or from the PSL. The permit area includes all waters of the U.S. or associated wetlands affected by activities associated with this project. Special restrictions may be required for such work. Be responsible for any and all consultations with the USACE regarding activities, including project specific locations (PSLs) that have not been previously evaluated by the USACE. Provide the department with a copy of all consultation(s) or approval(s) from the USACE prior to initiating activities.

The Contractor may proceed with activities in PSLs that do not affect a USACE permit area if a self determination has been made that the PSL is non-jurisdictional or proper USACE clearances have been obtained in jurisdictional areas or have been previously evaluated by the USACE as part of the permit review of this project. The Contractor is solely responsible for documenting any determination(s) that their activities do not affect a USACE permit area. Maintain copies of their determination(s) for review by the department or any regulatory agency.

Document and coordinate with the USACE, if required, prior to any excavation hauled from or embankment hauled into a USACE permit area by either (1) or (2) below.

(1) Restricted Use of Materials for the Previously Evaluated Permit Areas.

Document both the project specific location (PSL) and their authorization. Maintain

copies for review by the department or any regulatory agency. When an area within the project limits has been evaluated by the USACE as part of the permit process for this project.

- a. Suitable excavation of required material in the areas shown on the plans and cross sections as specified in Item 110 is used for permanent or temporary fill (Item 132, Embankment) within a USACE permit area;
- b. Suitable embankment (Item 132) from within the USACE permit area is used as fill within a USACE evaluated area; and,
- c. Unsuitable excavation or excess excavation ["Waste"] (Item 110) that is disposed of at a location approved by the Engineer within a USACE evaluated area.

(2) Contractor Materials from Areas Other than Previously Evaluated Areas.

Provide the department with a copy of all USACE coordination or approval(s) prior to initiating any activities for an area within the project limits that has not been evaluated by the USACE or for any off right of way locations used for the following, but not limited to, haul roads, equipment staging areas, borrow and disposal sites:

- a. Item 132, Embankment, used for temporary or permanent fill within a USACE permit area; and,
- b. Unsuitable excavation or excess excavation ["Waste"] (Item 110, Excavation) that is disposed of outside a USACE evaluated area.

The total area disturbed for this project is **0** acres. The disturbed area in this project, all project locations in the Contract, and the Contractor project specific locations (PSLs), within 1 mile of the project limits, for the Contract will further establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. The Contractor is to obtain required authorization from the TCEQ for Contractor PSLs for construction support activities on or off the ROW. When the total area disturbed in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the ROW to the Engineer and to the government that operates a separate storm sewer system.

Item 134: Backfilling Pavement Edges

Backfill pavement edges no later than 2 weeks after the construction of the final surface. Rap generated from project shall be used for backfill.

Item 302: Aggregates for Surface Treatments

The Engineer reserves the right to test all sources even if the source is listed in the Bituminous Source Rated Quality Catalog.

Furnish aggregate for final surfaces with a minimum surface aggregate classification of "B".

Project Number: NH 2011(363)

Sheet:

County: Scurry

Control: 0053-07-036

Highway: US 84

Flakiness index for aggregates will not be required on this project.

Provide subsurface aggregates with a maximum magnesium sulfate soundness loss value of 30%.

Item 318: Hot Asphalt-Rubber Surface Treatments

Unless authorized in writing by the Engineer, the open season for the application of asphalt is May 15 to September 1.

Use type II asphalt rubber binder and grade B crumb rubber modifier in accordance with item 300.

Seal driveways, mailbox turnouts, and intersections prior to sealing the roadway, unless otherwise approved.

Provide pre-coat aggregate with **PG 64-16**, or as approved by the Engineer.

Item 342: Permeable Friction Course (PFC)

Unless authorized in writing by the Engineer, the open season for the application of PFC is May 15 to September 1.

Furnish aggregate for final surfaces with a surface aggregate classification of "A".

The Engineer reserves the right to test all sources even if the source is listed in the Bituminous Source Rated Quality Catalog.

Use type II asphalt rubber binder and grade C crumb rubber modifier in accordance with item 300.

Dilution of tack coat is not allowed.

A quality control plan is required.

Item 344: Performance-Designed Mixtures

Provide subsurface aggregates with a maximum magnesium sulfate soundness loss value of 30%.

The Engineer reserves the right to test all sources even if the source is listed in the Bituminous Source Rated Quality Catalog.

Provide the testing lab samples to calibrate the ignition oven no later than five (5) working days prior to mix design verification.

Design the mixture with $N_{des} = 75$ gyrations. The design number of gyrations may be increased from 75 to 100 when allowed by the Engineer.

Meet the minimum Hamburg Wheel Test requirements shown below:

- PG 70 – 10,000 passes

Provide a stone on stone contact aggregate gradation below the reference zone.

Dilution of tack coat is not allowed.

Do not exceed a laydown width of 16 feet per pass.

RAP generated from this project is available for use.

Unfractionated RAP will not be allowed in surface mixtures.

Item 354: Planing and Texturing Pavement

Stockpile unused planed materials at the intersection of FM 2763 and SH 350 or FM 2763 and SH 208, approximately 20 miles from the south end of the project.

Build stockpiles in horizontal layers with a maximum height of 10 feet, as directed. Minimize driving on the stockpile to prevent excessive compaction.

Item 502: Barricades, Signs and Traffic Handling

Provide plastic drums or 42 inch cones on all daytime lane closure tapers when ADT is 1,000 vehicles per day or greater.

Additional signs, barricades and traffic handling may be necessary to complete the work shown herein and will be provided by the Contractor as required and will be considered subsidiary to this item.

Provide shadow vehicles with truck-mounted attenuators for operations designated in the sequence of work in accordance with TCP Series 2 and 3. Provide separate attenuators for each work area within a common lane closure as approved or directed by the Engineer.

Provide to the Engineer a letter certifying that all truck-mounted attenuators (TMA) used on the project have proven to be crashworthy using the criteria outlined in the *National Cooperative Highway Research Program (NCHRP) Report 350*.

Movement of construction equipment and haul trucks will be prohibited from crossing the median unless specifically authorized by the Engineer. Ingress and egress to main lanes will be at entrance and exit ramps.

Item 504: Field Office and Laboratory

Furnish a “Type D” structure for the asphalt mix control laboratory for the Engineer’s exclusive use. In addition to the requirements of Item 504, furniture and equipment to be furnished by the Contractor shall include:

- eye wash station
- first-aid kit
- two fire extinguishers

Asphalt content may be determined utilizing the ignition method.

Furnish a built-in equipment storage cabinet for the storage of nuclear equipment. The cabinet should be a minimum of 2 feet wide by 2 feet deep by 3 feet high and have provisions for locking securely.

Provide a 240-volt electrical entrance service. The service will operate continuously and consist of a minimum of four 120-volt circuits with 20-amp breakers and no more than two grounded convenience outlets per circuit and provisions for a minimum of two 220-volt ovens with vents to the outside. Have a minimum of two convenience outlets per wall (one of which is a “GFCI” outlet). Space heaters for heating are not acceptable. Portable structures should be support blocked for stability and tied down.

Item 540: Metal Beam Guard Fence

For metal beam guard fence, use round wood posts.

Steel posts for metal beam guard fence may be field cut to proper rail height with a power saw when approved by the Engineer.

Core drill 1 ¼ diameter holes through existing slab. Percussion or impact drilling is not permitted. Patch spalls, when directed by the Engineer, in accordance with item 429, “Concrete Structure Repair”, at the Contractor’s expense.

Item 542: Removing Metal Beam Guard Fence

Metal beam guard fence and posts deemed salvageable by the Engineer will remain the property of the state and be stockpiled at the Scurry county maintenance yard, located approximately 13

miles from the south end of the project. Salvaged posts need to be banded in bundles of 25 then neatly stockpiled.

Item 544: Guardrail End treatments

Drill pilot holes for lag bolts to attach SGT head to wood post, do not hammer lag bolts.

Item 585: Ride Quality for Pavement Surfaces

For localized roughness, diamond grinding is the preferred corrective method. However, the Engineer will minimize grinding to preserve the aesthetics of the final surface. Obtain approval of locations prior to grinding. The method of mill and fill of short sections (<100 ft) to correct localized roughness will not be allowed.

For deficient 0.1 mile sections, excessive diamond grinding as a final texture is disallowed. Excessive diamond grinding will be defined by the Engineer. When required to perform corrective work, use mill and fill or other approved method that will preserve the aesthetics of the final surface. Minimal diamond grinding within 0.1 mile sections to improve the average IRI to less than 95 in. per mile will be allowed when approved.

Use pay adjustment schedule **1** for Ride Quality bonus/penalty calculation.

Item 658: Delineator and Object Marker Assemblies

Place type "C" delineators on Metal Beam Guard fence and Rail at 100-ft spacing. Reduce spacing to provide a minimum of three delineators per run. Attach with Liquid Nails or equivalent to bridge rail and metal beam guard fence.

Item 662: Work Zone Pavement Markings

Place work zone pavement markings prior to the seal coat operation.

Dispose of tabs and paper in an approved trash receptacle. (Reference Standard **SW3P**, waste material)

Item 8251: Reflectorized Pavement Markings with Retroreflective Requirements

Provide a complete system of thermoplastic pavement markings at locations indicated on the plans and as directed. The plans are intended to show typical conditions, which can be extended throughout this project as approved or directed.

Establish a true and correct alignment with a method approved by the Engineer. This work will be considered subsidiary.

CONTROL : 0053-07-036
PROJECT : NH 2011(363)
HIGHWAY : US 84
COUNTY : SCURRY

TEXAS DEPARTMENT OF TRANSPORTATION

GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT
ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF
----- TRANSPORTATION JUNE 1, 2004.
STANDARD SPECIFICATIONS ARE INCORPORATED
INTO THE CONTRACT BY REFERENCE.

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
ITEM 134 BACKFILLING PAVEMENT EDGES (168)
ITEM 318 HOT ASPHALT-RUBBER SURFACE TREATMENTS (210)(300)(302)
(520)
ITEM 342 PERMEABLE FRICTION COURSE (PFC) (210)(300)(301)(320)(340)
(520)(585)
ITEM 344 PERFORMANCE-DESIGN MIXTURES (210)(300)(301)(320)(340)
(520)(585)
ITEM 354 PLANING AND TEXTURING PAVEMENT
ITEM 452 REMOVING RAILING (420)
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL
CONTROLS
ITEM 533 SHOULDER TEXTURING
ITEM 540 METAL BEAM GUARD FENCE (421)(429)(445)(529)(542)(544)
ITEM 542 REMOVING METAL BEAM GUARD FENCE
ITEM 544 GUARDRAIL END TREATMENTS
ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)
ITEM 662 WORK ZONE PAVEMENT MARKINGS (666)(668)(672)(677)
ITEM 666 REFLECTORIZED PAVEMENT MARKINGS (316)(318)(662)(677)(678)
ITEM 672 RAISED PAVEMENT MARKERS

SPECIAL PROVISIONS: SPECIAL PROVISIONS WILL GOVERN AND TAKE
----- PRECEDENCE OVER THE SPECIFICATIONS ENUMERATED
HEREON WHEREVER IN CONFLICT THEREWITH.

REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS

(FORM FHWA 1273, MARCH, 1994)

WAGE RATES

SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000--1493)
SPECIAL PROVISION "NOTICE OF CHANGES TO U.S. DEPARTMENT OF LABOR
REQUIRED PAYROLL INFORMATION" (000--1483)
SPECIAL PROVISION "PARTNERING" (000--002)
SPECIAL PROVISION "NOTICE TO ALL BIDDERS" (000--003)
SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO
ENSURE EQUAL EMPLOYMENT OPPORTUNITY" (000--004)
SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL-AID
CONSTRUCTION" (000--461)
SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS" (000--006)
SPECIAL PROVISION "ON-THE-JOB TRAINING PROGRAM" (000--1676)
SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"
(000--009)
SPECIAL PROVISION "DEPARTMENT DIVISION MAILING AND PHYSICAL ADDRESS"
(000--011)
SPECIAL PROVISION TO ITEM 1 (001--011)
SPECIAL PROVISION TO ITEM 2 (002--017)
SPECIAL PROVISION TO ITEM 3 (003--033)
SPECIAL PROVISION TO ITEM 4 (004--017)
SPECIAL PROVISION TO ITEM 5 (005--004)
SPECIAL PROVISION TO ITEM 6 (006--030)
SPECIAL PROVISION TO ITEM 7 (007--740)
SPECIAL PROVISIONS TO ITEM 8 (008--008)(008--119)
SPECIAL PROVISIONS TO ITEM 9 (009--009)(009--015)
SPECIAL PROVISION TO ITEM 302 (302--010)
SPECIAL PROVISION TO ITEM 316 (316--016)
SPECIAL PROVISION TO ITEM 318 (318--010)
SPECIAL PROVISION TO ITEM 340 (340--003)
SPECIAL PROVISION TO ITEM 342 (342--002)
SPECIAL PROVISION TO ITEM 344 (344--009)
SPECIAL PROVISION TO ITEM 420 (420--002)
SPECIAL PROVISION TO ITEM 421 (421--035)
SPECIAL PROVISION TO ITEM 500 (500--005)
SPECIAL PROVISION TO ITEM 502 (502--033)
SPECIAL PROVISION TO ITEM 506 (506--010)
SPECIAL PROVISION TO ITEM 540 (540--015)
SPECIAL PROVISION TO ITEM 672 (672--034)
SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 8251 (8251--005)

SPECIAL SPECIFICATIONS:

ITEM 8094 MOBILE RETROREFLECTIVITY DATA COLLECTION FOR PAVEMENT
MARKINGS
ITEM 8251 REFLECTORIZED PAVEMENT MARKINGS WITH RETROREFLECTIVE
REQUIREMENTS (8094)

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH
----- PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER

PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVE-
LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL
PROVISIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFI-
CATIONS FOR THIS PROJECT.

SPECIAL PROVISION

008---008

Prosecution and Progress

For this project, Item 008, "Prosecution and Progress," of the Standard Specifications, is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Article 8.3. Computation of Contract Time for Completion. The first sentence of the first paragraph is voided and replaced by the following:

Working day charges will begin 120 calendar days after the date of the written authorization begin work, or the first day of construction activity if work is initiated within the 120 day period.

SPECIAL PROVISION

344---009

Performance-Designed Mixtures

For this project, Item 344, “Performance-Designed Mixtures,” of the Standard Specifications, is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Article 344.2. Materials, Section A. Aggregate, Section 2. RAP is voided and replaced by the following:

2. RAP. RAP is salvaged, milled, pulverized, broken, or crushed asphalt pavement. Crush or break RAP so that 100% of the particles pass the 2-in. sieve.

Use of Contractor-owned RAP including HMA plant waste is permitted, unless otherwise noted in the plans. Department-owned RAP stockpiles are available for the Contractor’s use when the stockpile locations are shown on the plans. Department-owned RAP generated through required work on the Contract is available for the Contractor’s use when shown on the plans. Perform any necessary tests to ensure Contractor or Department-owned RAP is appropriate for use. Unless otherwise shown on the plans, the Department will not perform any tests or assume any liability for the quality of the Department-owned RAP.

Fractionated RAP is defined as having 2 or more RAP stockpiles whereas the RAP is divided into coarse and fine fractions. The coarse RAP stockpile will contain only material retained by processing over a 3/8 in. screen or 1/2 in. screen unless otherwise approved. The fine RAP stockpile will contain only material passing the 3/8 in. screen or 1/2 in. screen unless otherwise approved. The Engineer may allow the Contractor to use an alternate to the 3/8 in. screen or 1/2 in. screen to fractionate the RAP. The maximum percentages of fractionated RAP may be comprised of coarse or fine fractionated RAP or the combination of both coarse and fine fractionated RAP. Utilize a separate cold feed bin for each stockpile of fractionated RAP used.

Determine asphalt content and gradation of RAP stockpiles for mixture design purposes. Perform other tests on RAP when shown on the plans. Unless otherwise shown on the plans, use no more than 10% unfractionated RAP in surface mixtures and no more than 20% unfractionated RAP in non-surface mixtures that are placed within 8 in. of the final riding surface. Use no more than 30% unfractionated RAP in non-surface mixtures that are placed 8 in. or more from the final riding surface. Unless otherwise shown on the plans, use no more than 20% fractionated RAP in surface mixtures and no more than 30% fractionated RAP in non-surface mixtures that are placed within 8 in. of the final riding surface. Use no more than 40% fractionated RAP in non-surface mixtures that are placed 8 in. or more from the final riding surface. “Surface” mixtures are defined as mixtures that will be the final lift or riding surface of the pavement structure. “Non-Surface” mixtures are defined as mixtures that will be an intermediate or base layer in the pavement structure. Do not use Department or Contractor owned RAP contaminated with dirt or other objectionable materials. Do not use Department or Contractor owned RAP if

the decantation value exceeds 5% and the plasticity index is greater than 8. Test the stockpiled RAP for decantation in accordance with the laboratory method given in Tex-406-A, Part I. Determine the plasticity index using Tex-106-E if the decantation value exceeds 5%. The decantation and plasticity index requirements do not apply to RAP samples with asphalt removed by extraction.

Do not intermingle Contractor-owned RAP stockpiles with Department-owned RAP stockpiles. Remove unused Contractor-owned RAP material from the project site upon completion of the project. Return unused Department-owned RAP to the designated stockpile location.